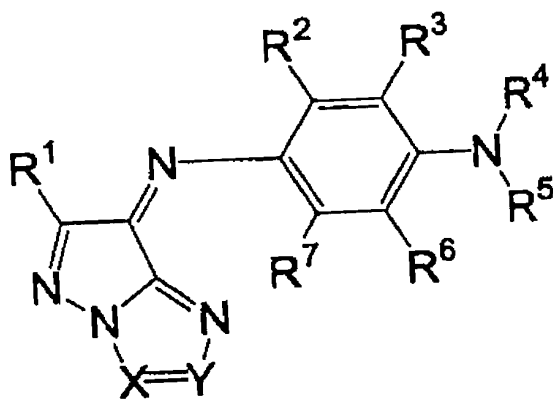


a¹
cont.
absorption ($\lambda_{\text{max}}(\text{nm})$) is regarded as 1, the absorbance at a wavelength ($\lambda_{\text{max}} + 75 (\text{nm})$) is no more than 0.2 and the absorbance at a wavelength ($\lambda_{\text{max}} - 75 (\text{nm})$) is no more than 0.4, and wherein

the oil soluble dye is represented by the following formula (II):

Formula (II)



wherein R¹ represents a hydrogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, -OR¹¹, -SR¹², -CO₂R¹³, -OCOR¹⁴, -NR¹⁵R¹⁶, -CONR¹⁷R¹⁸, -SO₂R¹⁹, -SO₂NR²⁰R²¹, -NR²²CONR²³R²⁴, -NR²⁵CO₂R²⁶, -COR²⁷, -NR²⁸COR²⁹, or -NR³⁰SO₂R³¹; R¹¹, R¹², R¹³, R¹⁴, R¹⁵, R¹⁶, R¹⁷, R¹⁸, R¹⁹, R²⁰, R²¹, R²², R²³, R²⁴, R²⁵, R²⁶, R²⁷, R²⁸, R²⁹, R³⁰ and R³¹ each independently represents a hydrogen atom, an aliphatic group, or an aromatic group;

a1
cont.
R², R³, R⁶ and R⁷ each independently represents a hydrogen atom, a halogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, -OR⁵¹, -SR⁵², -CO₂R⁵³, -OCOR⁵⁴, -NR⁵⁵R⁵⁶, -CONR⁵⁷R⁵⁸, -SO₂R⁵⁹, SO₂NR⁶⁰R⁶¹, -NR⁶²CONR⁶³R⁶⁴, -NR⁶⁵CO₂R⁶⁶, -COR⁶⁷, -NR⁶⁸COR⁶⁹ or -NR⁷⁰SO₂R⁷¹; R⁵¹, R⁵², R⁵³, R⁵⁴, R⁵⁵, R⁵⁶, R⁵⁷, R⁵⁸, R⁵⁹, R⁶⁰, R⁶¹, R⁶², R⁶³, R⁶⁴, R⁶⁵, R⁶⁶, R⁶⁷, R⁶⁸, R⁶⁹, R⁷⁰ and R⁷¹ each independently represents a hydrogen atom, an aliphatic group or an aromatic group;

R⁴ and R⁵ each independently represents a hydrogen atom, an aliphatic group, an aromatic group, or a heterocyclic group; and wherein

X represents -N=, and Y represents -C(R⁸)=, and wherein

the oil soluble polymer is a vinyl polymer having at least one of a carboxyl group and a sulfonic acid group as an ionic group.

a2
6. (amended) The ink for ink-jet according to claim 1, wherein the coloring particulates are obtained by emulsifying and making into fine particles an organic solvent which includes the oil soluble polymer and the oil soluble dye, by either adding water to the organic solvent or adding the organic solvent into water.

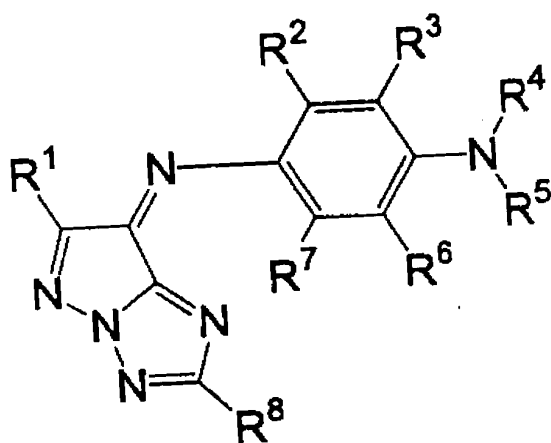
a3
9. (amended) The ink for ink-jet according to claim 1, wherein the ionic group of the vinyl polymer is a carboxyl group.

10. (amended) The ink for ink-jet according to claim 1, wherein the vinyl polymer has ionic groups in an amount of from 0.1 to 3.0 mmol/g.

13. (amended) An ink for ink-jet comprising:

a coloring composition dispersed in a water based medium, containing coloring particulates containing an oil soluble dye represented by the following formula (III) and a vinyl polymer having at least one of a carboxyl group and a sulfonic acid group:

Formula (III)



wherein R¹ represents a hydrogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, -OR¹¹, -SR¹², -CO₂R¹³, -OCOR¹⁴, -NR¹⁵R¹⁶, -CONR¹⁷R¹⁸, -SO₂R¹⁹, -SO₂NR²⁰R²¹, -NR²²CONR²³R²⁴, -NR²⁵CO₂R²⁶, -COR²⁷, -NR²⁸COR²⁹, or -NR³⁰SO₂R³¹;

a4
cont.
and $R^{11}, R^{12}, R^{13}, R^{14}, R^{15}, R^{16}, R^{17}, R^{18}, R^{19}, R^{20}, R^{21}, R^{22}, R^{23}, R^{24}, R^{25}, R^{26}, R^{27}, R^{28}, R^{29}, R^{30}$ and R^{31} each independently represents a hydrogen atom, an aliphatic group, or an aromatic group;

R^2, R^3, R^6 and R^7 each independently represents a hydrogen atom, a halogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, $-OR^{51}$, $-SR^{52}$, $-CO_2R^{53}$, $-OCOR^{54}$, $-NR^{55}R^{56}$, $-CONR^{57}R^{58}$, $-SO_2R^{59}$, $SO_2NR^{60}R^{61}$, $-NR^{62}CONR^{63}R^{64}$, $-NR^{65}CO R^{66}$, $-COR^{67}$, $-NR^{68}COR^{69}$ or $-NR^{70}SO_2R^{71}$; $R^{51}, R^{52}, R^{53}, R^{54}, R^{55}, R^{56}, R^{57}, R^{58}, R^{59}, R^{60}, R^{61}, R^{62}, R^{63}, R^{64}, R^{65}, R^{66}, R^{67}, R^{68}, R^{69}, R^{70}$ and R^{71} each independently represents a hydrogen atom, an aliphatic group or an aromatic group;

R^4 and R^5 each independently represents a hydrogen atom, an aliphatic group, an aromatic group or a heterocyclic ring; and

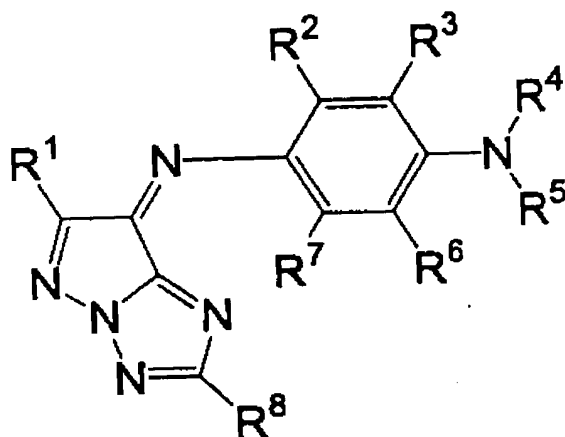
R^8 represents a hydrogen atom, an aliphatic group or an aromatic group.

a5
17. (amended) A coloring composition comprising:

coloring particulates containing an oil soluble dye represented by the following formula (III) and a vinyl polymer having at least one of a carboxyl group and a sulfonic acid group, said coloring particulates being dispersed in an aqueous medium:

Formula (III)

25
cont.



wherein R¹ represents a hydrogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, -OR¹¹, -SR¹², -CO₂R¹³, -OCOR¹⁴, -NR¹⁵R¹⁶, -CONR¹⁷R¹⁸, -SO₂R¹⁹, -SO₂NR²⁰R²¹, -NR²²CONR²³R²⁴, -NR²⁵CO₂R²⁶, -COR²⁷, -NR²⁸COR²⁹, or -NR³⁰SO₂R³¹; and R¹¹, R¹², R¹³, R¹⁴, R¹⁵, R¹⁶, R¹⁷, R¹⁸, R¹⁹, R²⁰, R²¹, R²², R²³, R²⁴, R²⁵, R²⁶, R²⁷, R²⁸, R²⁹, R³⁰ and R³¹ each independently represents a hydrogen atom, an aliphatic group, or an aromatic group;

R², R³, R⁶ and R⁷ each independently represents a hydrogen atom, a halogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, -OR⁵¹, -SR⁵², -CO₂R⁵³, -OCOR⁵⁴, -NR⁵⁵R⁵⁶, -CONR⁵⁷R⁵⁸, -SO₂R⁵⁹, SO₂NR⁶⁰R⁶¹, -NR⁶²CONR⁶³R⁶⁴, -NR⁶⁵CO₂R⁶⁶,

25
cont.
-COR⁶⁷, -NR⁶⁸COR⁶⁹ or -NR⁷⁰SO₂R⁷¹; R⁵¹, R⁵², R⁵³, R⁵⁴, R⁵⁵, R⁵⁶, R⁵⁷, R⁵⁸, R⁵⁹, R⁶⁰, R⁶¹, R⁶², R⁶³,
R⁶⁴, R⁶⁵, R⁶⁶, R⁶⁷, R⁶⁸, R⁶⁹, R⁷⁰ and R⁷¹ each independently represents a hydrogen atom, an
aliphatic group or an aromatic group;

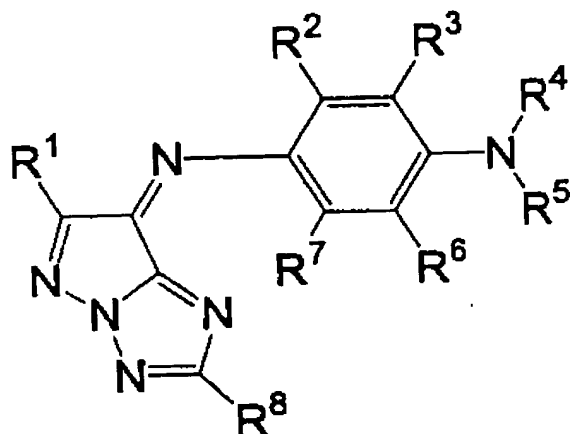
R⁴ and R⁵ each independently represents a hydrogen atom, an aliphatic group, an aromatic
group or a heterocyclic ring; and

R⁸ represents a hydrogen atom, an aliphatic group or an aromatic group.

20. (amended) An ink-jet printing process comprising:

26
(a) preparing an ink for an ink jet, containing coloring composition in which coloring
particulates contain an oil soluble dye represented by the following formula (III) and a vinyl
polymer having at least one of a carboxyl group and a sulfonic acid group, said coloring
particulates being dispersed in an aqueous medium,

26
cont.
Formula (III)



wherein R¹ represents a hydrogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, -OR¹¹, -SR¹², -CO₂R¹³, -OCOR¹⁴, -NR¹⁵R¹⁶, -CONR¹⁷R¹⁸, SO₂R¹⁹, -SO₂NR²⁰R²¹, -NR²²CONR²³R²⁴, -NR²⁵CO₂R²⁶, -COR²⁷, -NR²⁸COR²⁹, or -NR³⁰SO₂R³¹; and R¹¹, R¹², R¹³, R¹⁴, R¹⁵, R¹⁶, R¹⁷, R¹⁸, R¹⁹, R²⁰, R²¹, R²², R²³, R²⁴, R²⁵, R²⁶, R²⁷, R²⁸, R²⁹, R³⁰ and R³¹ each independently represents a hydrogen atom, an aliphatic group, or an aromatic group;

R², R³, R⁶ and R⁷ each independently represents a hydrogen atom, a halogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, -OR⁵¹, -SR⁵², -CO₂R⁵³,

a6
cont.
-OCOR⁵⁴, -NR⁵⁵R⁵⁶, -CONR⁵⁷R⁵⁸, -SO₂R⁵⁹, SO₂NR⁶⁰R⁶¹, -NR⁶²CONR⁶³R⁶⁴, -NR⁶⁵CO₂R⁶⁶,
-COR⁶⁷, -NR⁶⁸COR⁶⁹ or -NR⁷⁰SO₂R⁷¹; R⁵¹, R⁵², R⁵³, R⁵⁴, R⁵⁵, R⁵⁶, R⁵⁷, R⁵⁸, R⁵⁹, R⁶⁰, R⁶¹, R⁶², R⁶³,
R⁶⁴, R⁶⁵, R⁶⁶, R⁶⁷, R⁶⁸, R⁶⁹, R⁷⁰ and R⁷¹ each independently represents a hydrogen atom, an
aliphatic group or an aromatic group;

R⁴ and R⁵ each independently represents a hydrogen atom, an aliphatic group, an aromatic
group or a heterocyclic ring; and

R⁸ represents a hydrogen atom, an aliphatic group or an aromatic group, and

(b) using the ink for recording in an ink-jet printing device.

Please add new claims 21-25 as follows:

a7
-- 21. (new) The ink for ink-jet according to claim 1, wherein R⁸ represents a substituted
aryl group.

22. (new) The ink for ink-jet according to claim 21, wherein a total number of
substituents represented by -NR¹⁷⁰SO₂R¹⁷¹ in the dye thereof is 2 or more.

23. (new) The ink for ink-jet according to claim 13, wherein R⁸ represents a substituted
aryl group, and wherein a total number of substituents represented by -NR¹⁷⁰SO₂R¹⁷¹ in the dye
thereof is 2 or more.

a7
cont.

24. (new) The ink for ink-jet according to claim 17, wherein R^8 represents a substituted a substituted aryl group, and wherein a total number of substituents represented by $-NR^{170}SO_2R^{171}$ in the dye thereof is 2 or more.

25. (new) The ink for ink-jet according to claim 20, wherein R^8 represents a substituted a substituted aryl group, and wherein a total number of substituents represented by $-NR^{170}SO_2R^{171}$ in the dye thereof is 2 or more. --
